INTERNATIONAL SEARCH REPORT

nternational application No.
PCT/JP03/02862

A. CLASS	FICATION OF SUBJECT MATTER C1 ⁷ C07D231/56								
According to	International Patent Classification (IPC) or to both nat	tional classification and IPC							
	SEARCHED								
Int.	cumentation searched (classification system followed b								
	on searched other than minimum documentation to the								
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) CAPLUS (STN)									
C. DOCUMENTS CONSIDERED TO BE RELEVANT									
Category*	Citation of document, with indication, where app		Relevant to claim No.						
P,X	KOBAYASHI, Shu et al., "Asymme [3+2] Cycloaddition Reactions Olefins Using a Chiral Zircon Journal of the American Chemi 124(46), pages 13678 to 13679	of Acylhydrazones/ lium Catalyst", cal Society (2002),	1-5						
A	FOUCHET, B. et al., (3*+2) I nic cycloadditions and 1,3-di of phenylhydrazones", Tetrahe 22(14), pp. 1333-6	. 1-5							
A	KOBAYASHI, Shu et al., "Chira tion Using Both Solid-Phase a Methods in Asymmetric Aza Die Organic Letters (2000), 2(9),	1-5							
Further documents are listed in the continuation of Box C. See patent family annex.									
*Tocument defining the general state of the art which is not considered to be of particular relevance earlier document but published on or after the international filing date or understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search 10 April, 2003 (10.04.03) Take document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention cannot be considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered novel or cannot be considered novel or cannot be considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered novel or cannot be con									
Name and r	nailing address of the ISA/ anese Patent Office	Authorized officer							
Facsimile N		Telephone No.							

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ategory*	Citation of document, with indication, where appropriate, of the relevant passages								Relevant to claim No.					
A	of unsaturated al				et al., "Asymmetric cyclizati aldehydes catalyzed by a chir 36), 42(8), pp. 2203-9			on al",		1-5				
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